

Math 1
Quiz 12 Review

Quiz 12 will be on Friday, March 17. The following standards from module 6 are on the exam:

- **6A: apply transformations** Students perform rigid motion transformations on shapes in the plane.
- **6B: identify transformations** Students identify and describe transformations performed on shapes in the plane.
- **6C: perpendicular lines** Students prove and use the criterion for slopes of perpendicular lines.
- **6E: symmetry** Students understand and use properties of symmetry.

Recall that parallel lines have the same slope. Also recall that, if two lines that are neither horizontal nor vertical are perpendicular to each other, then their slopes are opposite reciprocals of each other.

Recall the following forms of equations of lines:

- If a line has slope m and passes through (h, k) , then its point-slope form is $y - k = m(x - h)$.
- If a line has slope m and passes through $(0, b)$, then its slope-intercept form is $y = mx + b$.

In order for a line to reflect one point onto another, it must be the perpendicular bisector of the line segment whose endpoints are the two given points.